

A CONTENT ADDRESSABLE MERGED QUEUE ARCHITECTURE FOR SWITCHING DATA

ABSTRACT

5 A content addressable merged queue (camQ) architecture for switching data.
The camQ architecture comprises a first array of priority cells for indicating a priority of
a plurality of cells and a second array of destination cells for indicating a destination of
the plurality of cells. A priority selector is operable to select a portion of said plurality
of cells according to a priority selection. A grant generator is operable to grant at least
10 one connection request associated with cells of the portion.